

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/02488

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 G06F17/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 457 746 A (DOLPHIN JANET L) 10 October 1995	1-4, 6-16, 18-22
Y	see column 2, line 28 - column 3, line 31 see column 4, line 10 - column 4, line 54 see column 5, line 17 - column 5, line 30 ---	5,17,23, 24
Y	WO 96 18963 A (FS HOLDINGS INC) 20 June 1996 see page 5, line 4 - page 7, line 32 ---	5,17,23, 24
X	US 5 513 126 A (HARKINS LARRY E ET AL) 30 April 1996 see column 1, line 9 - column 2, line 20 see column 4, line 4 - column 4, line 36 ---	1-4, 6-16, 18-22
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

18 June 1999

Date of mailing of the international search report

06/07/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bowler, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/02488

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 98 07085 A (SMITH BENJAMIN HEWITT ;SMITH FRED HEWITT (US); BEN SMITH INC (US)) 19 February 1998 see abstract; figure 3 see page 14, line 5 - page 15, line 11 ----	1-4, 6-16, 18-22
P,X	WO 98 33131 A (MULTEX SYSTEMS INC) 30 July 1998 see page 2, line 8 - page 15, line 31 see claim 1; figure 7 ----	1-4, 6-16, 18-22
A	ANONYMOUS: "Receipt of Solicited and Unsolicited Documents in a Distributed Communication System. October 1980." IBM TECHNICAL DISCLOSURE BULLETIN, vol. 23, no. 5, October 1980, pages 2129-2134, XP002106487 New York, US see page 1 - page 3 -----	1,13,21

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Application No

PCT/US 99/02488

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5457746 A	10-10-1995	US 5703951 A	30-12-1997
		US 5677953 A	14-10-1997
		AU 694742 B	30-07-1998
		AU 7687494 A	03-04-1995
		EP 0719485 A	03-07-1996
		JP 9503322 T	31-03-1997
		WO 9508231 A	23-03-1995
WO 9618963 A	20-06-1996	AU 4373196 A	03-07-1996
		EP 0806017 A	12-11-1997
		US 5893079 A	06-04-1999
US 5513126 A	30-04-1996	JP 7177158 A	14-07-1995
		US 5689642 A	18-11-1997
WO 9807085 A	19-02-1998	AU 3793997 A	06-03-1998
WO 9833131 A	30-07-1998	US 5864871 A	26-01-1999
		AU 6135098 A	18-08-1998